

CLEAN VERSION OF REPLACEMENT PARAGRAPHS IN SPECIFICATION:

a1 [0005] This object is attained in accordance with the invention in that the central collar of the bearing race is formed by a single-piece ring, which is provided with a slot and has variable diameter, for insertion in a circumferential groove.

a2 [0007] In accordance with a further development of the invention, the bearing is configured as double-row radial cylindrical roller bearing with an inner race and an outer race, with the outer race provided with a central collar and the inner race provided with a central collar and two outer collars, whereby the central collar of the outer race is formed by the ring and the inner bearing race is designed in one piece.

a3 [0009] In accordance with another feature of the invention, the slotted ring includes a circumferential outer rib, which is arranged in the groove, and two opposite axial ends, which expand in their radial extension, with the rib being arranged centrally or off-center with respect to the width of the ring.

a4 [0011] In accordance with another feature of the invention, the slot extends parallel or at a certain angle to a bearing axis, i.e. is slotted straight. Of course, all other slot arrangements are conceivable.

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[0012] According to a further feature of the invention, the outer collars of the inner race should be provided with a sealing element.

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[0014] According to another additional feature of the invention, the inner race should be provided with a circumferential lubricating groove and with one or more radial lubricating bores. In this manner, it is ensured that the bearing can be easily supplied with lubricant from inside.

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[0015] In accordance with another feature of the invention, the ring is subjected to a heat treatment for increasing the hardness.

[0016] Finally, the ring should be coated with a friction-reducing material, for example polytetrafluoroethylene (PTFE). PTFE is in particular suitable because of all firm plastics it has the lowest coefficient of friction.

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[0023] The outer bearing race 1 has a smooth running surface and is provided centrally with a circumferential groove 10 for receiving a ring 11. As shown in FIG. 2, this ring 11 is provided at a circumferential location with a slot 12 so that its circumference becomes variable. The slot 12 may extend parallel or at a certain angle to a bearing axis 15. This ring 11 is of inverted T-shaped configuration, i.e. it has a radial circumferential outer rib 13 which is guided in the groove 10 of the outer bearing race 1. Both confronting ends 14 of the ring 11 are supported by the raceway of the outer race 1 and their extension expands

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outwards in axial direction, so that the contact surface for the end faces of the cylindrical rollers 3 is enlarged.